LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

1-3. **(Canceled).**

4. **(Currently amended)** A substantially pure Pin1 polypeptide ~~comprising~~consisting of:

a WW domain consisting of amino acid residues 5-43 of SEQ ID NO:2, or a functional fragment thereof, wherein the WW domain or functional fragment thereof binds to NIMA; and

a PPIase domain having peptidyl prolyl isomerase activity.

5. **(Previously presented)** The substantially pure Pin1 polypeptide of claim 4, wherein the peptidyl prolyl isomerase activity of the PPIase domain is not inhibited by cyclosporin A or FK520.

6-7. **(Canceled).**

8. **(Currently amended)** A substantially pure Pin1 polypeptide ~~comprising~~consisting of:

a PPIase domain consisting of amino acid residues 59-163 of SEQ ID NO:2, or a functional fragment thereof, wherein the PPIase domain or functional fragment thereof has peptidyl prolyl isomerase activity; and

a WW domain that binds to NIMA.

9-20. **(Canceled).**

21. **(Previously presented)** A substantially pure WW domain of a Pin1 polypeptide consisting of amino acid residues 5-43 of SEQ ID NO:2, or a functional fragment thereof which binds to NIMA.

22-24. **(Canceled).**

25. **(Currently amended)** ~~The polypeptide of claim 24, wherein the heterologous polypeptide is~~A substantially pure WW domain of a Pin1 polypeptide consisting of amino acid residues 5-43 of SEQ ID NO:2, or a functional fragment thereof which binds to NIMA, fused to an epitope tag, a carrier protein, a DNA binding domain, a transactivation domain, or an enzyme suitable for use as a label.

26-27. **(Canceled).**

28. **(Previously presented)** A substantially pure PPIase domain of a Pin1 polypeptide consisting of amino acid residues 59-163 of SEQ ID NO:2, or a functional fragment thereof having peptidyl prolyl isomerase activity.

29-31. **(Canceled).**

32. **(Currently amended)** ~~The polypeptide of claim 31, wherein the heterologous polypeptide is~~A substantially pure PPIase domain of a Pin1 polypeptide consisting of amino acid residues 59-163 of SEQ ID NO:2, or a functional fragment thereof having peptidyl prolyl isomerase activity, fused to an epitope tag, a carrier protein, a DNA binding domain, a transactivation domain, or an enzyme suitable for use as a label.

33. **(Previously presented)** A substantially pure fragment of a Pin1 polypeptide, which Pin1 polypeptide consists of amino acid residue 1-163 of SEQ ID NO:2, wherein the fragment comprises amino acid residues 5-43 of SEQ ID NO:2 and binds to NIMA.

34. **(Previously presented)** A substantially pure fragment of a Pin1 polypeptide, which Pin1 polypeptide consists of amino acid residue 1-163 of SEQ ID NO:2, wherein the fragment

comprises amino acid residues 59-163 of SEQ ID NO:2 and has peptidyl prolyl isomerase activity.

35. **(Currently amended)** A substantially pure ~~polypeptide comprising:~~

~~a~~ fragment of a Pin1 polypeptide, which Pin1 polypeptide consists of amino acid residue 1-163 of SEQ ID NO:2, wherein the fragment comprises amino acid 5-43 of SEQ ID NO:2~~;~~ and

~~a heterologous polypeptide,~~

~~wherein the substantially pure polypeptide~~ binds to NIMA; and wherein the fragment is fused to an epitope tag, a carrier protein, a DNA binding domain, a transactivation domain, or an enzyme suitable for use as a label.

36. **(Currently amended)** A substantially pure ~~polypeptide comprising:~~

~~a~~ fragment of a Pin1 polypeptide, which Pin1 polypeptide consists of amino acid residue 1-163 of SEQ ID NO:2, wherein the fragment comprises amino acid residues 59-163 of SEQ ID NO:2~~;~~ and

~~a heterologous polypeptide,~~

~~wherein the fragment~~ has peptidyl prolyl isomerase activity; and wherein the fragment is fused to an epitope tag, a carrier protein, a DNA binding domain, a transactivation domain, or an enzyme suitable for use as a label.